Claim 1. (twice amended) An electric high voltage AC machine for direct connection [, intended to be directly connected] to a distribution or transmission network, said machine including at least one winding having a neutral point comprising at least one [insulated] current-carrying conductor; [, wherein] a first layer having semi-conducting properties surrounding the conductor and being in electrical contact therewith [is provided around said conductor], a solid insulating layer surrounding [is provided around] said first layer, and an outer [a] second layer having semi-conducting properties surrounding [is provided around] said insulating layer, and grounding means for connecting the neutral point [at least one point] of said winding in circuit to ground.

Claim 8. (twice amended) The machine according to claim 1, wherein said layers are adjacent to each other, and each of said [three] layers has at least one connecting surface each being [is] fixedly connected to the connecting surface of the adjacent layer along substantially the whole of said connecting surface.

Claim 9. (twice amended) An electric AC machine having a magnetic circuit for high voltage comprising:

a magnetic core and at least one winding, wherein said winding is formed of a cable comprising at least one [or more] current-carrying conductor [conductors], each conductor having a number of conductor elements [strands], and inner semi-conducting layer surrounding the conductor and being in electrical contact with at least one of the conductor elements [provided around each conductor], an insulating layer of solid insulating material surrounding [provided around] said inner semi-conducting layer, and an outer semi-conducting layer surrounding [provided around] said insulating layer, and [in that] grounding means for connection [are provided to connect] at least one selected point of said winding to ground.

Please cancel claim 10.

Claim 35. (Amended) A high voltage electric machine comprising at least one winding, wherein said winding comprises a cable including at least one current-carrying conductor and a magnetically permeable, electric field confining cover comprising an

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inner layer having semiconducting properties surrounding the conductor and being in electrical contact therewith; an insulating layer surrounding the inner layer and an outermost layer having semiconducting properties surrounding the [conductor] insulating layer, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.

Please cancel claims 36-38.

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Claim 39. (Amended) The machine of claim [38] 35, wherein the cover is formed of a plurality of layers including an insulating layer and wherein said plurality of layers are substantially void free.

Claim 40. (Amended) The machine of claim [38] 35, wherein the cover is in electrical contact with the conductor.

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42. (amended) The machine of claim 35, wherein the cover is heat resistant such that the machine is operable at 100% overload for two hours.

43. (amended) The machine of claim 35, wherein the machine, when energized, produces an electric field and the cover confines the electric field so that the cable is operable free of sensible end winding loss.

44. (amended) The machine of claim 35, wherein the machine, when energized, produces an electric field and the cover confines the electric field so that the winding is operable free of partial discharge and field control.

REMARKS

This Amendment is in response to the Office Action of November 17, 1999, wherein the Examiner made certain technical objections to the specification, claims and drawings. Fig. 1 has been labeled "prior art".

A new title has been provided.